



## INNOVATION

Complete engineering, design and development capabilities.



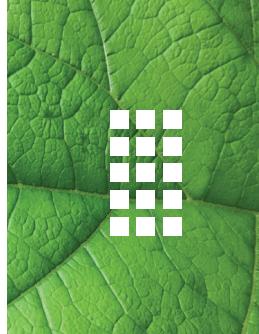
## MANUFACTURING

Manufactured using Bergstrom's World class manufacturing systems and processes.



## QUALITY

Designed, engineered and manufactured in the U.S. and China facilities.



[www.bergstrominc.com](http://www.bergstrominc.com)



### World Headquarters

Rockford, U.S.A.

+ 1 - 815-874-7821

### Europe

Wales, United Kingdom

+ 44 - 144-386-212

Madrid, Spain

+ 34 - 918-775-840

### Asia-Pacific

Changzhou, Jiangsu, China

+ 86 - 519-511-7821



BSLR-TSSOL-21R1-EN-B

# SCHOOL BUS SOLAR PANELS

Solar Energy System





Together with Merlin Solar's patented technology, Bergstrom has taken existing solar solutions and made them better. Does your bus suffer from dead batteries? Parasitic loads are on the increase and will drain the batteries when a bus sits; drastically shortening the battery life. Together with Merlin Solar's patented technology, Bergstrom has taken existing solar solutions to provide a better battery performance for buses. Our solar panel system is an inexpensive solution that helps offset the parasitic loads and helps avoid costly no starts resulting in poor service to passengers.

## POWER YOUR ROI WITH THE SUN

The Bergstrom Solar Energy System will be a valuable addition to your fleet. Most of our customers see a full return of their investment in 6 to 18 months.

### SAVE FUEL

- Extend power availability without idling engine.
- Add up to 10 hours of run-time.
- Relieve alternator load.

### REDUCE ASSET DOWNTIME

- Excellent charge source for your batteries.
- Practically eliminate dead batteries.
- Avoid costly jump starts.

### REDUCE MAINTENANCE COSTS

- Reduce battery depth of discharge.
- Extend battery life by up to 200 percent.
- Reduce frequency of costly DPF cleaning, oil changes and engine overhauls.

30% Solar Investment Tax Credit available! Consult your tax advisor for more information.

## PATENTED SOLAR PANELS

Bergstrom's innovative solar panels are built to UL standards and consist of interconnected metal grids that serve as inter-cell and intra-cell connectors. This patented grid technology results in solar panels that are flexible and lightweight, conforming to nearly any surface. Features include:

- Versatile shapes to suit any surface size and features.
- A simple "Plug & Play" system that is easy to install.
- 1/8-inch thick, lightweight panels robust enough to handle wind lift, thermal cycles, vibrations and more.

## HOW DOES BERGSTROM STACK UP AGAINST THE COMPETITION?

Bergstrom's Solar Energy System is unlike any system on the market. When you install the solution, you'll quickly realize the benefits of the most powerful and durable solar panel for the transportation industry.

- 60% more amp-hours delivered to the battery when compared to conventional solar systems.
- Improved light capture and reduced sheet resistance.
- Bergstrom's panels with patented Merlin technology lasted for more than 900 temperature cycles compared to fewer than 120 cycles on competitive panels.

